

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-005918**Date Inspected:** 02-Mar-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai,China

<b>CWI Name:</b>	Liu Wei Wei / Hu Wei Jing			<b>CWI Present:</b>	<b>Yes</b>	<b>No</b>
<b>Inspected CWI report:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Rod Oven in Use:</b>	<b>Yes</b>	<b>No</b> <b>N/A</b>
<b>Electrode to specification:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Weld Procedures Followed:</b>	<b>Yes</b>	<b>No</b> <b>N/A</b>
<b>Qualified Welders:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Verified Joint Fit-up:</b>	<b>Yes</b>	<b>No</b> <b>N/A</b>
<b>Approved Drawings:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Approved WPS:</b>	<b>Yes</b>	<b>No</b> <b>N/A</b>
				<b>Delayed / Cancelled:</b>	<b>Yes</b>	<b>No</b> <b>N/A</b>
<b>Bridge No:</b>	34-0006			<b>Component:</b>	OBG Components	

**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, S.Chandrakumar was present during the time noted above for observations relative to the work being performed.

**SEG#4AE**

This QA inspector performed MT of approximately 15% of the area previously tested and accepted by ZPMC Quality Control Personnel. This QA Inspector generated an MT report for this date. The member is identified as Segment Deck Panel(4AE).The weld designations reviewed as follows:

DP037-001-69,71,74.

DP038-001-88,90,93.

DP039-001-107,109,112.

DP073-001-115,117,120.

DP079-001-115,117,120.

DP075-001-123,125,128.

DP076-001-115,117,120.

DP038-002-88,90,93.

DP040-001-77,79,82.

**BAY#03**

@On going FCAW Welding of Weld Joint 2F- 007,0287 & 1G-43,44 Located on FB014-032 Welder no identified as 044790 and The welding variables recorded by QC ZMPC to comply with theWPS-B-T-2132-3 &

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## WELDING INSPECTION REPORT

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WPS-B-T-2231-B-U2-F.

Fit-up inspection of following weld joint carried out – FB016-031-2G-43,2F-38,37.

BAY#14

This QA inspector performed MT of approximately 15% of the area previously tested and accepted by ZPMC Quality Control Personnel. This QA Inspector generated an MT report for this date. The member is identified as Segment Deck Panel .The weld designations reviewed as follows:

DP555-001-017,019.

BAY#02

@On going SMAW Welding of Weld Joint 4G- 004,007 Located on SEG4A Welder no identified as 066413, 048389 and The welding variables recorded by QC ZMPC to comply with the WPS-345-SMAW-4G-Repair carried out according to WRR B-WR2623 and B-WR2624.

Unless otherwise noted, all observed on this date appeared to generally comply with applicable contract documents

### Summary of Conversations:

No Relevant Conversation.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang-150-0042-2372, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Kumar, Chadra	Quality Assurance Inspector
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<b>Reviewed By:</b>	Clifford, William	QA Reviewer
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